#### (1) GENERAL INFORMATION:

- (i) APPLICANTS: Björck, Lars Sjöbring, Ulf
- (ii) TITLE OF INVENTION: PROTEIN L AND HYBRID PROTEINS THEREOF
- (iii) NUMBER OF SEQUENCES: 15
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Seed IP Law Group
  - (B) STREET: 701 Fifth Avenue Suite 6300
  - (C) CITY: Seattle
  - (D) STATE: Washington
  - (E) COUNTRY: USA
  - (F) ZIP: 98104-7092
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 08/325,278
  - (B) FILING DATE: 26-OCT-1994
  - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Potter, Jane E. R.
  - (B) REGISTRATION NUMBER: 33,332
  - (C) REFERENCE/DOCKET NUMBER: 100084.402
  - (ix) TELECOMMUNICATION INFORMATION:
    - (A) TELEPHONE: (206) 622-4900
    - (B) TELEFAX: (206) 682-6031
- (2) INFORMATION FOR SEQ ID NO:1:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 305 amino acids
    - (B) TYPE: amino acid
    - (C) STRANDEDNESS: unknown
    - (D) TOPOLOGY: unknown
  - (ii) MOLECULE TYPE: protein
  - (iii) HYPOTHETICAL: NO
  - (vi) ORIGINAL SOURCE:
    - (A) ORGANISM: Escherichia coli LE392/pHDL, DSM 7054

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Ala Val Glu Asn Lys Glu Glu Thr Pro Glu Thr Pro Glu Thr Asp Ser 1 5 10 15

Glu Glu Glu Val Thr Ile Lys Ala Asn Leu Ile Phe Ala Asn Gly Ser 20 25 30

Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Glu Lys Ala Thr Ser Glu 35 40 45

Ala Tyr Ala Tyr Ala Asp Thr Leu Lys Lys Asp Asn Gly Glu Tyr Thr 50 55 60

Val Asp Val Ala Asp Lys Gly Tyr Thr Leu Asn Ile Lys Phe Ala Gly 65 70 75 80

Lys Glu Lys Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala 85 90 95

Asn Leu Ile Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly
100 105 110

Thr Phe Glu Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Ala Leu 115 120 125

Lys Lys Asp Asn Gly Glu Tyr Thr Val Asp Val Ala Asp Lys Gly Tyr 130 140

Thr Leu Asn Ile Lys Phe Ala Gly Lys Glu Lys Thr Pro Glu Glu Pro 145 150 155 160

Lys Glu Glu Val Thr Ile Lys Ala Asn Leu Ile Tyr Ala Asp Gly Lys 165 170 175

Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Glu Glu Ala Thr Ala Glu
180 185 190

Ala Tyr Arg Tyr Ala Asp Leu Leu Ala Lys Glu Asn Gly Lys Tyr Thr 195 200 205

Val Asp Val Ala Asp Lys Gly Tyr Thr Leu Asn Ile Lys Phe Ala Gly 210 215

Lys Glu Lys Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala 225 230 235 240

Asn Leu Ile Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly
245 250 255

Thr Phe Ala Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Leu Leu 260 265 270

Ala Lys Glu Asn Gly Lys Tyr Thr Ala Asp Leu Glu Asp Gly Gly Tyr 275 280 285

Thr Ile Asn Ile Arg Phe Ala Gly Lys Lys Val Asp Glu Lys Pro Glu 290 295 300

Glu 305

## (2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 921 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (vi) ORIGINAL SOURCE:
  - (A) ORGANISM: Escherichia coli LE392/pHDL, DSM 7054

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GCGGTAGAAA	ATAAAGAAGA	AACACCAGAA	ACACCAGAAA	CTGATTCAGA	AGAAGAAGTA	60
ACAATCAAAG	CTAACCTAAT	CTTTGCAAAT	GGAAGCACAC	AAACTGCAGA	ATTCAAAGGA	120
ACATTTGAAA	AAGCAACATC	AGAAGCTTAT	GCGTATGCAG	ATACTTTGAA	GAAAGACAAT	180
GGAGAATATA	CTGTAGATGT	TGCAGATAAA	GGTTATACTT	TAAATATTAA	ATTTGCTGGA	240
AAAGAAAAA	CACCAGAAGA	ACCAAAAGAA	GAAGTTACTA	TTAAAGCAAA	CTTAATCTAT	300
GCAGATGGAA	AAACACAAAC	AGCAGAATTC	AAAGGAACAT	TTGAAGAAGC	AACAGCAGAA	360
GCATACAGAT	ATGCAGATGC	ATTAAAGAAG	GACAATGGAG	AATATACAGT	AGACGTTGCA	420
GATAAAGGTT	ATACTTTAAA	TATTAAATTT	GCTGGAAAAG	AAAAAACACC	AGAAGAACCA	480
AAAGAAGAAG	TTACTATTAA	AGCAAACTTA	ATCTATGCAG	ATGGAAAAAC	ACAAACAGCA	540
GAATTCAAAG	GAACATTTGA	AGAAGCAACA	GCAGAAGCAT	ACAGATATGC	TGACTTATTA	600
GCAAAAGAAA	ATGGTAAATA	TACAGTAGAC	GTTGCAGATA	AAGGTTATAC	TTTAAATATT	660
AAATTTGCTG	GAAAAGAAAA	AACACCAGAA	GAACCAAAAG	AAGAAGTTAC	TATTAAAGCA	720
AACTTAATCT	ATGCAGATGG	AAAAACTCAA	ACAGCAGAGT	TCAAAGGAAC	ATTTGCAGAA	780
GCAACAGCAG	AAGCATACAG	ATACGCTGAC	TTATTAGCAA	AAGAAAATGG	TAAATATACA	840
GCAGACTTAG	AAGATGGTGG	ATACACTATT	AATATTAGAT	TTGCAGGTAA	GAAAGTTGAC	900
GAAAAACCAG	AAGAATAATA	Α			•	921

#### (2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 434 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: protein
- (iii) HYPOTHETICAL: NO
- (vi) ORIGINAL SOURCE:
  - (A) ORGANISM: Escherichia coli LE392/pHDLG, DSM 7055
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
- Ala Val Glu Asn Lys Glu Glu Thr Pro Glu Thr Pro Glu Thr Asp Ser 1 5 10 15
- Glu Glu Glu Val Thr Ile Lys Ala Asn Leu Ile Phe Ala Asn Gly Ser 20 25 30
- Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Glu Lys Ala Thr Ser Glu 35 40 45
- Ala Tyr Ala Tyr Ala Asp Thr Leu Lys Lys Asp Asn Gly Glu Tyr Thr 50 60
- Val Asp Val Ala Asp Lys Gly Tyr Thr Leu Asn Ile Lys Phe Ala Gly 65 70 75 80
- Lys Glu Lys Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala 85 90 95
- Asn Leu Ile Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly
  100 105 110
- Thr Phe Glu Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Ala Leu 115 120 125
- Lys Lys Asp Asn Gly Glu Tyr Thr Val Asp Val Ala Asp Lys Gly Tyr 130 135 140
- Thr Leu Asn Ile Lys Phe Ala Gly Lys Glu Lys Thr Pro Glu Glu Pro 145 150 155 . 160
- Lys Glu Glu Val Thr Ile Lys Ala Asn Leu Ile Tyr Ala Asp Gly Lys 165 170 175
- Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Glu Glu Ala Thr Ala Glu 180 185 190
- Ala Tyr Arg Tyr Ala Asp Leu Leu Ala Lys Glu Asn Gly Lys Tyr Thr 195 200 205

Val Asp Val Ala Asp Lys Gly Tyr Thr Leu Asn Ile Lys Phe Ala Gly Lys Glu Lys Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala 230· Asn Leu Ile Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Ala Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Leu Leu Ala Lys Glu Asn Gly Lys Tyr Thr Ala Asp Leu Glu Asp Gly Gly Tyr Thr Ile Asn Ile Arg Phe Ala Gly Lys Lys Val Asp Glu Lys Pro Glu Glu Pro Met Asp Thr Tyr Lys Leu Ile Leu Asn Gly Lys Thr Leu Lys Gly Glu Thr Thr Glu Ala Val Asp Ala Ala Thr Ala Glu Lys Val Phe Lys Gln Tyr Ala Asn Asp Asn Gly Val Asp Gly Glu Trp Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Val Thr Glu Lys Pro Glu Val Ile Asp Ala Ser Glu Leu Thr Pro Ala Val Thr Thr Tyr Lys Leu Val Ile Asn Gly Lys Thr Leu Lys Gly Glu Thr Thr Thr Lys Ala Val Asp Ala Glu Thr Ala Glu Lys Ala Phe Lys Gln Tyr Ala Asn Asp Asn Gly Val Asp Gly Val Trp Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Val Thr

# (2) INFORMATION FOR SEQ ID NO:4:

Glu Met

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 1308 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: double
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO

#### (vi) ORIGINAL SOURCE:

(A) ORGANISM: Escherichia coli L392/pHDLG, DSM 7055

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GCGGTAGAAA	ATAAAGAAGA	AACACCAGAA	ACACCAGAAA	CTGATTCAGA	AGAAGAAGTA	60
ACAATCAAAĞ	CTAACCTAAT	CTTTGCAAAT	GGAAGCACAC	AAACTGCAGA	ATTCAAAGGA	120
ACATTTGAAA	AAGCAACATC	AGAAGCTTAT	GCGTATGCAG	ATACTTTGAA	GAAAGACAAT	180
GGAGAATATA	CTGTAGATGT	TGCAGATAAA	GGTTATACTT	TAAATATTAA	ATTTGCTGGA	240
AAAGAAAAA	CACCAGAAGA	ACCAAAAGAA	GAAGTTACTA	TTAAAGCAAA	CTTAATCTAT	300
GCAGATGGAA	AAACACAAAC	AGCAGAATTC	AAAGGAACAT	TTGAAGAAĢC	AACAGCAGAA	360
GCATACAGAT	ATGCAGATGC	ATTAAAGAAG	GACAATGGAG	AATATACAGT	AGACGTTGCA	420
GATAAAGGTT	ATACTTTAAA	TATTAAATTT	GCTGGAAAAG	AAAAAACACC	AGAAGAACCA	480
AAAGAAGAAG	TTACTATTAA	AGCAAACTTA	ATCTATGCAG	ATGGAAAAAC	ACAAACAGCA	540
GAATTCAAAG	GAACATTTGA	AGAAGCAACA	GCAGAAGCAT	ACAGATATGC	TGACTTATTA	600
GCAAAAGAAA	ATGGTAAATA	TACAGTAGAC	GTTGCAGATA	AAGGTTATAC	TTTAAAATATT	660
AAATTTGCTG	GAAAAGAAAA	AACACCAGAA	GAACCAAAAG	AAGAAGTTAC	TATTAAAGCA	720
AACTTAATCT	ATGCAGATGG	AAAAACTCAA	ACAGCAGAGT	TCAAAGGAAC	ATTTGCAGAA	780
GCAACAGCAG	AAGCATACAG	ATACGCTGAC	TTATTAGCAA	AAGAAAATGG	TAAATATACA	840
GCAGACTTAG	AAGATGGTGG	ATACACTATT	AATATTAGAT	TTGCAGGTAA	GAAAGTTGAC	900
GAAAAACCAG	AAGAACCCAT	GGACACTTAC	AAATTAATCC	TTAATGGTAA	AACATTGAAA	960
GGCGAAACAA	CTACTGAAGC	TGTTGATGCT	GCTACTGCAG	AAAAAGTCTT	CAAACAATAC	1020
GCTAACGACA	ACGGTGTTGA	CGGTGAATGG	ACTTACGACG	ATGCGACTAA	GACCTTTACA	1080
GTTACTGAAA	AACCAGAAGT	GATCGATGCG	TCTGAATTAA	CACCAGCCGT	GACAACTTAC	1140
AAACTTGTTA	TTAATGGTAA	AACATTGAAA	GGCGAAACAA	CTACTAAAGC	AGTAGACGCA	1200
GAAACTGCAG	AAAAAGCCTT	CAAACAATAC	GCTAACGACA	ACGGTGTTGA	TGGTGTTTGG	1260
ACTTATGATG	ATGCGACTAA	GACCTTTACG	GTAACTGAAA	TGTAATAA		1308

#### (2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 1332 base pairs
  - (B) TYPE: nucleic acid

(C) STRANDEDNESS: double
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: DNA (genomic)

(iii) HYPOTHETICAL: NO

#### (ix) FEATURE:

(A) NAME/KEY: CDS
(B) LOCATION: 1..1329

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

		-								
				AGG Arg						48
				ATA Ile						96
				GCA Ala				Asp		144
				AAA Lys 55						192
			Thr	TTA Leu						240
				TGG Trp						288
				CTT Leu						336
				GCT Ala						384
				ATA Ile 135						432
				GAG Glu						480
				GGC Gly						528

					8							
		165			170			175				
								GAG Glu	576			
								GAC Asp	624			
								GCA Ala	672			
								TCA Ser	720			
								GAA Glu 255	768			
								CTT Leu	816			
								CGG Arg	864			
								GAA Glu	912	••		
								CTT Leu	960		,	٠,
								GCT Ala 335	1008			
								CAA Gln	1056			
								GCA Ala	1104			
								CCA Pro	1152			
AAA Lys 385								AAA Lys	1200			
			· ·									
			,									

						AGA Arg										1248
						GCA Ala										1296
			Val			CGC Arg					TAA					1332
(2)	INFO	RMAT	TION	FOR	SEQ	ID N	10:6:	:								
	2) INFORMATION FOR SEQ ID NO:6:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 443 amino acids  (B) TYPE: amino acid  (D) TOPOLOGY: linear															
	į)	Li) N	OLEC	CULE	TYPE	E: pi	otei	in								
	()	ki) S	SEQUE	ENCE	DESC	CRIPT	:NOI	: SEÇ	Q ID	NO:	<b>5</b> :					
Asn 1	Gly	Asp	Gly	Asn 5	Pro	Arg	Glu	Val	Ile 10	Glu	Asp	Leu	Ala	Ala 15	Asn	
Asn	Pro	Ala	Ile 20	Gln	Asn	Ile	Arg	Leu 25	Arg	His	Glu	Asn	Lys 30	Asp	Leu	
Lys	Ala	Arg 35	Leu	Glu	Asn	Ala	Met 40	Glu	Val	Ala	Gly	Arg 45		Phe	Lys	
Arg	Ala 50	Glu	Glu	Leu	Glu	Lys 55	Ala	Lys	Gln	Ala	Leu 60	Glu	Asp	Gln	Arg	
Lys 65	Asp	Leu	Glu	Thr	Lys 70	Leu	Lys	Glu	Leu	Gln 75	Gln	Asp	Tyr	Asp	Leu 80	
Ala	Lys	Glu	Ser	Thr 85	Ser	Trp	Asp	Arg	Gln 90	Arg	Leu	Glu	Lys	Glu 95	Leu	
Glu	Glu	Lys	Lys 100	Glu	Ala	Leu	Glu	Leu 105	Ala	Ile	Asp	Gln	Ala 110	Ser	Arg	
Asp	Tyr	His 115	Arg	Ala	Thr	Ala	Leu 120	Glu	Lys	Glu	Leu	Glu 125	Glu	Lys	Lys	
Lys	Ala 130	Leu	Glu	Leu	Ala	Ile 135	Asp	Gln	Ala	Ser	Gln 140	Asp	Tyr	Asn ·	Arg	
Ala 145	Asn	Val	Leu	Glu	Lys 150	Glu	Leu	Glu	Thr	Ile 155	Thr	Arg	Glu,	Gln	Glu 160	
Ile	Asn	Arg	Asn	Leu	Leu	Gly	Asn	Ala	Lys	Leu	Glu	Leu	Asp	Gln	Leu	

Ser Ser Glu Lys Glu Gln Leu Thr Ile Glu Lys Ala Lys Leu Glu Glu Glu Lys Gln Ile Ser Asp Ala Ser Arg Gln Ser Leu Arg Arg Asp Leu 200 Asp Ala Ser Arg Glu Ala Lys Lys Gln Val Glu Lys Asp Leu Ala Asn Leu Thr Ala Glu Leu Asp Lys Val Lys Glu Asp Lys Gln Ile Ser Asp Ala Ser Arg Gln Arg Leu Arg Arg Asp Leu Asp Ala Ser Arg Glu Ala Lys Lys Gln Val Glu Lys Asp Leu Ala Asn Leu Thr Ala Glu Leu Asp 265 Lys Val Lys Glu Glu Lys Gln Ile Ser Asp Ala Ser Arg Gln Arg Leu 280 Arg Arg Asp Leu Asp Ala Ser Arg Glu Ala Lys Lys Gln Val Glu Lys Ala Leu Glu Glu Ala Asn Ser Lys Leu Ala Ala Leu Glu Lys Leu Asn Lys Glu Leu Glu Glu Ser Lys Lys Leu Thr Glu Lys Glu Lys Ala Glu Leu Gln Ala Lys Leu Glu Ala Glu Ala Lys Ala Leu Lys Glu Gln Leu 345 Ala Lys Gln Ala Glu Glu Leu Ala Lys Leu Arg Ala Gly Lys Ala Ser Asp Ser Gln Thr Pro Asp Thr Lys Pro Gly Asn Lys Ala Val Pro Gly Lys Gly Gln Ala Pro Gln Ala Gly Thr Lys Pro Asn Gln Asn Lys Ala Pro Met Lys Glu Thr Lys Arg Gln Leu Pro Ser Thr Gly Glu Thr Ala Asn Pro Phe Phe Thr Ala Ala Arg Val Thr Val Met Ala Thr Ala Gly Val Ala Ala Val Val Lys Arg Lys Glu Glu Asn

#### (2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 44 base pairs
  - (B) TYPE: nucleic acid

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

75 525

								•		
	(xi)	SEQUI	ENCE DE	SCRIPT	ION: SE	Q ID NO:7:	:			
GCT	CAGGCG	G CG	CCGGTAG	A AAAT.	AAAGAA (	GAAACACCAG	G AAAC			44
(2)	INFOR	RMATIO	ON FOR	SEQ ID	NO:8:					
	(i)	(A) (B) (C)		: 9 am amino EDNESS	:				٠.	
	(xi)	SEQUI	ENCE DE	SCRIPT	ION: SE	Q ID NO:8	:			
	Val 1	Glu A	Asn Lys	Glu G 5	lu Thr 1	Pro Glu				
(2)	INFOR	RMATIO	ON FOR	SEQ ID	NO:9:					
	(i)	(A) (B) (C)	LENGTH TYPE:	: 47 b nuclei EDNESS	: single	rs		· :		
	(xi)	SEQUI	ENCE DE	SCRIPT	ION: SE	Q ID NO:9	:			
CAG	CAGCAG	G AT	CTTATT	A TTCT	TCTGGT	TTTTCGTCA/	A CTTTC	PT .		47
(2)	INFOR	TAM	ON FOR	SEQ ID	NO:10:					
	(i)	(A) (B) (C)	LENGTH TYPE:	: 44 b nuclei EDNESS	: single	rs				

CAGCAGCAGC CATGGGTTCT TCTGGTTTTT CGTCAACTTT CTTA

(2)	INFORMATION FOR SEQ ID NO:11:		
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 34 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:		
GGCC	ATGGAC ACTTACAAAT TAATCCTTAA TGGT		34
(2)	INFORMATION FOR SEQ ID NO:12:		
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 10 amino acids</li><li>(B) TYPE: amino acid</li><li>(C) STRANDEDNESS:</li><li>(D) TOPOLOGY: linear</li></ul>		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:		
	Met Asp Thr Tyr Lys Leu Ile Leu Asn Gly 1 5 10	·	
(2)	INFORMATION FOR SEQ ID NO:13:		
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 42 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:		
CAGG	ICGACT TATTACATTT CAGTTACCGT AAAGGTCTTA GT	•	42
(2)	INFORMATION FOR SEQ ID NO:14:		
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 152 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	•	

	(xi) Sl	EQUENCE DES	CRIPTION: SI	EQ ID NO:14:	:		
AAGC'	TTAAGG	AGGTTAATCG	ATGAAAAAA	CTGCTATCGC	TATCGCTGTT	GCTCTGGCTG	60
GTTT	CGCTAC	TGTTGCTCAG	GCGGCGCCGA	GATCTAAACA	GGAATTCGAG	CTCGGTACCC	120
GGGG	ATCCTC	TAGAGCTGAC	CTGCAGGCAT	GC		•	152

## (2) INFORMATION FOR SEQ ID NO:15:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 4 amino acids

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

. Ala Val Glu Asn